

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	2	("3355098").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/30 10:07
L14	12	("3355098").URPN.	USPAT	ADJ	ON	2009/11/30 10:42
S1	242	fractionator.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:16
S2	0	(60/327336).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/03 10:58
S3	1	60/327336	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/03 11:01
S4	2	((("4003834") or ("5645715"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 11:01
S5	1	(fractionator and sample tube).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 11:12
S6	14	(fractionator and valve).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 11:16
S7	1	(fractionator and piston). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 11:43
S10	3	(fractionator).ab. and plunger	US-PGPUB; USPAT	ADJ	ON	2007/04/03 11:48
S11	49	(sample tube).ab. and plunger	US-PGPUB; USPAT	ADJ	ON	2007/04/03 13:37
S12	7	((("3814248") or ("3862029") or ("4346608") or ("4464254") or ("4753892") or ("5171539") or ("5266273"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 13:53
S13	4747	((plunger or piston) and tube).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:01
S14	554	((plunger or piston) and tube and liquids).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 13:54
S15	554	((plunger or piston) and tube and liquid).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 13:55
S16	4	((plunger or piston) and tube and liquid and fraction).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 13:55

S17	5	((plunger or piston) and tube and liquid and (fraction or fractionation)). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 13:55
S18	1	((plunger or piston) and tube). ab. and 210/787	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:01
S19	1	((plunger or piston) and tube). ab. and 210/787. ocls.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:01
S20	5357	((210/787) or (494/43) or (436/177) or (422/72) or (422/105) or (210/91) or (210/512.1)). OCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/03 14:48
S21	6	S13 and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:02
S22	3	S1 and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:16
S23	19865	(fraction or fractionate or fractionator). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:41
S24	170	S23 and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:17
S25	361	(fractionate or fractionator). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 15:37
S26	4	S24 and S25	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:25
S27	72386	plenum	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:25
S28	5555	plenum.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:25
S29	111	plenum and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:25
S30	9	plenum.ab. and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:28
S31	333	((cylinder or plunger) and plenum).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:28
S32	0	((cylinder or plunger) and plenum).ab. and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:28
S33	2	(cylinder or plunger). ab. and plenum and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:30
S34	72	(cylinder or plunger) ab. and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:30
S35	0	(piston or plunger) ab. and plenum and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:31
S36	919	(piston or plunger) ab. and plenum	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:34
S37	55	((piston or plunger) and tube). ab. and plenum	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:34

S38	148	((fraction or fractionate or fractionator) and (piston or plunger)) ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:42
S39	9	((fraction or fractionate or fractionator) and (piston or plunger) and tube) ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:45
S40	1	((fraction or fractionate or fractionator) and (piston or plunger) and tube) ab. and S20	US-PGPUB; USPAT	ADJ	ON	2007/04/03 14:46
S41	7	((("0000210") or ("0000422") or ("0000436") or ("0000356") or ("0000073") or ("0000023") or ("0000302"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 14:50
S49	353975	"210".clas. "422".clas. "436".clas. "356".clas. "73".clas. S23.clas. "302".clas.	US-PGPUB; USPAT	OR	ON	2007/04/03 14:55
S50	31	S38 and S49	US-PGPUB; USPAT	OR	ON	2007/04/03 14:54
S51	415674	"210".clas. "422".clas. "436".clas. "356".clas. "73".clas. S23.clas. "302".clas. "604".clas.	US-PGPUB; USPAT	OR	ON	2007/04/04 08:46
S52	40	S51 and S38	US-PGPUB; USPAT	OR	ON	2007/04/03 15:27
S53	1	"4498318".pn. and piston	US-PGPUB; USPAT	ADJ	ON	2007/04/03 15:12
S54	16495	plunger and syringe	US-PGPUB; USPAT	OR	ON	2007/04/03 15:27
S55	459	plunger and syringe and plenum	US-PGPUB; USPAT	OR	ON	2007/04/03 15:27
S56	0	(plunger and syringe and plenum).ab.	US-PGPUB; USPAT	OR	ON	2007/04/03 15:27
S57	408	(plunger and syringe and pressure).ab.	US-PGPUB; USPAT	OR	ON	2007/04/03 15:27
S58	2	(plunger and syringe).ab. and plenum	US-PGPUB; USPAT	OR	ON	2007/04/03 15:28
S59	3	(fractionate or fractionator).ab. and plunger	US-PGPUB; USPAT	ADJ	ON	2007/04/03 15:40
S60	14	(fractionate or fractionator).ab. and piston	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:52
S61	0	removal of sample from tank	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:22
S62	31090	removal sample tank	US-PGPUB; USPAT	AND	ON	2007/04/04 08:23

S63	5	(removal sample tank).ab.	US-PGPUB; USPAT	AND	ON	2007/04/04 08:23
S64	21	(tank sample).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:26
S65	3	(tank sample removal pressure).ab.	US-PGPUB; USPAT	AND	ON	2007/04/04 08:26
S66	108	tank sample removal pressure	US-PGPUB; USPAT	SAME	ON	2007/04/04 08:27
S67	420173	"210".clas. "422".clas. "436".clas. "356".clas. "73". clas. "23".clas. "302".clas. "604".clas.	US-PGPUB; USPAT	OR	ON	2007/04/04 10:27
S68	148	((fraction or fractionate or fractionator) and (piston or plunger)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:47
S69	40	S67 and S68	US-PGPUB; USPAT	OR	ON	2007/04/04 08:47
S70	137	fractionator.ab.	FPRS; EPO; JPO	ADJ	ON	2007/04/04 08:52
S71	1	((fractionate or fractionator) and (plunger or piston)).ab.	FPRS; EPO; JPO	ADJ	ON	2007/04/04 08:54
S72	3	((fractionate or fractionator) and (plunger or piston)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/04/04 08:54
S73	11745	((liquid or sample) and (plunger or piston)).ab.	FPRS; EPO; JPO	ADJ	ON	2007/04/04 09:00
S74	89	((liquid or sample) and removal and (plunger or piston)).ab.	FPRS; EPO; JPO	ADJ	ON	2007/04/04 09:01
S75	103	((liquid or sample) and removal and (plunger or piston))	FPRS; EPO; JPO	ADJ	ON	2007/04/04 09:21
S76	1180	hand soap	US-PGPUB; USPAT	ADJ	ON	2007/04/04 09:25
S77	40	(hand soap).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 09:21
S78	40	hand soap.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 09:21
S79	44	hand soap and S67	US-PGPUB; USPAT	ADJ	ON	2007/04/04 09:35
S80	3113	fluid pump and S67	US-PGPUB; USPAT	ADJ	ON	2007/04/04 09:36
S81	191	fluid pump.ab. and S67	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:00

S82	1	simple pump.ab. and S87	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:00
S83	6	simple pump.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:00
S87	445976	((("210") or ("422") or ("436") or ("356") or ("73") or ("23") or ("302") or ("604") or ("494") or ("433")).CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/04 10:29
S88	1	simple pump.ab. and S87	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:30
S89	6663	liquid and pump.ab. and S87	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:30
S90	20	hand pump.ab. and S87	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:30
S91	1525	((sampler or sample) and vessel).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 11:40
S92	56	((sampler or sample) and vessel and (piston or plunger)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 11:40
S93	446212	((("210") or ("422") or ("436") or ("356") or ("73") or ("23") or ("302") or ("604") or ("494") or ("433")).CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/05 11:51
S94	242	fractionator.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:40
S95	5	fractionator and piston.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 12:03
S96	9	fractionator and (piston or plunger).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:40
S97	2	(fractionator and (piston or plunger)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:41
S98	80502	((piston or plunger)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:41
S99	4750	((piston or plunger) and tube).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:42
S100	7736	((piston or plunger) and tube or container)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:42
S101	1264	((piston or plunger) and tube or container) and liquid).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:43
S102	1409	((piston or plunger) and tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:46

S103	462	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged)).ab. and S93	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:27
S104	98	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve).ab. and S93	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:52
S105	0	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve controller).ab. and S93	US-PGPUB; USPAT	ADJ	ON	2007/04/05 10:15
S106	0	((piston or plunger or head) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve controller).ab. and S93	US-PGPUB; USPAT	ADJ	ON	2007/04/05 10:15
S107	1	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged) and valve controller).ab. and S93	US-PGPUB; USPAT	ADJ	ON	2007/04/05 12:04
S108	2	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged) and valve controller).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 10:16
S109	6	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged)).ab. and S93 and valve controller	US-PGPUB; USPAT	ADJ	ON	2007/04/05 10:26
S110	25	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged)).ab. and valve controller	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:50

S111	2	((piston or plunger or head) and (tube or container) and (liquid or fluid) and valve controller). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:06
S112	1	"4621747".pn. and valve	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:18
S113	40	hand soap.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:18
S114	1	(hand soap and container). ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:20
S115	451	(222/2).CQLS.	US-PGPUB; USPAT	OR	OFF	2007/04/05 11:22
S116	819	(222/2).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:23
S117	442	(222/14).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:23
S118	897	(222/52).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:23
S119	4627	((222/2) or (222/14) or (222/52) or (222/251) or (222/464.1) or (222/540) or (222/544) or (222/566)). CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:27
S120	11	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged)).ab. and S119	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:29
S121	29	((piston or plunger) and (tube or container)).ab. and S119	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:31
S122	13	valve controller and S119	US-PGPUB; USPAT	ADJ	ON	2007/04/05 11:38
S123	14	valve controller and S119	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:39
S124	460	S119 and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:39
S125	321	S119 and piston and (tube or container)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:39
S126	348	S119 and (piston or plunger) and (tube or container) and (liquid)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:39

S127	602	S119 and (piston or plunger or head) and (tube or container) and (liquid or blood or serum)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:40
S128	480	S119 and (piston or plunger or head) and (tube or container) and (liquid or blood or serum) and valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:40
S129	16	S119 and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:40
S130	0	S119 and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve controller	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:41
S131	2	S119 and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve control	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:44
S132	20	S119 and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:44
S133	0	"222".ocls. and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:44
S134	691	"222".clas. and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:45
S135	572	"222".clas. and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:45
S136	50	"222".clas. and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve control	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:45
S137	2	"222".clas. and ((piston or plunger or head) and (tube or container) and (liquid or blood or serum)).ab. and valve controller	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:45

S138	25	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged)).ab. and valve controller	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:50
S139	522587	((("210") or ("422") or ("436") or ("356") or ("73") or ("23") or ("302") or ("604") or ("494") or ("433") or ("222")).CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/05 12:56
S140	330	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve).ab. and S139	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 11:52
S141	38	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve and (control or controller)).ab. and S139	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 13:19
S142	5	fractionator and piston.ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 12:03
S143	2	((piston or plunger or head) and (tube or container) and (liquid or fluid or blood or serum or gradient or centrifuge or centrifuged) and valve controller).ab. and S139	US-PGPUB; USPAT	ADJ	ON	2007/04/05 12:04
S144	522587	((("210") or ("422") or ("436") or ("356") or ("73") or ("23") or ("302") or ("604") or ("494") or ("433") or ("222")).CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/05 12:56
S145	124	((piston or plunger) and (tube or container) and (liquid or blood or serum or gradient or centrifuge or centrifuged) and valve and (control or controller)).ab.	FPFS; EPO; JPO	ADJ	ON	2007/04/05 13:32
S146	13486	"136".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 14:40
S147	915	"136".clas. and oil	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 14:33

S148	1	"136".clas. and petroleum. ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 14:37
S149	9384	"507".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/05 14:40
S150	1	10/815513	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/20 18:28
S151	2	("3355098").PNL.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 18:48
S152	1	(james near2 arking and triantafyllos near2 tafas). in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/20 18:49
S153	20	(james near2 arking or triantafyllos near2 tafas). in. and fraction\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/20 18:49
S154	4704727	@ad<"20040401"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/20 18:50
S155	5	S153 and S154	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/20 18:50

11/30/2009 12:18:43 PM

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